INDEX TO VOLUME XXXIII

Accumulation and Elimination of Hexavalent Chromium in Rainbow Trout, 1

AIELLO, EDWARD LAWRENCE, 120

BARTHOLOMEW, GEORGE A., 171

BROWN, L. H., 39, 213

BUTZEL, H. M., JR., 39, 213

Chronological Development of Electrical Activity in the Optic Lobes, Cerebellum, and Cerebrum of the Chick Embryo, 225

CRISP, D. J., 104

Daily Rhythmic Variation of Blood Coagulation Times in Four Species of Rodents, 281

DAWSON, WILLIAM R., 87

Development of Schooling Behavior in Fishes, The, 79

DUNDEE, HAROLD, 58

Effects of Detergents upon Electromigration of *Paramecium aurelia*, 39

Effects of Detergents upon Killer-sensitive Reactions in *Paramecium aurelia*, 213

Effects of Some Intraspecies Processes on Competition between Two Species of Flour Beetles, *Latheticus oryzae* and *Tribolium confusum*, 42

Enzyme Systems in *Stylonychia pustulata*. III. Hydrolysis of Starches and Glycogen, 64

EVERSON, ROBERT A., 281

Experimental and Comparative Studies of Succinic Dehydrogenase Activity in Mammalian Choroid Plexuses, Ependyma, and Pineal Organ, 206

Experimental Proteolysis on *Paramecium aurelia*, 271

Factors Affecting Ciliary Activity on the Gill of the Mussel *Mytilus edulis*, 120

FIELDEN, ANN, 161

FINGERMAN, MILTON, 260

FROMM, P. O., 1

GORBMAN, AUBREY, 58

GROSS, WARREN J., 21

Growth, Food Intake, and Food Conversion in a Euryplastic Fish Exposed to Different Temperatures and Salinities, 288

HARRISON, JOHN R., 68

Heart Rate and Body Size in the Spiny Lobster, 241

Heat Regulation in the Northern Blue Jay, *Cyanocitta cristata bromia* Oberholser, 252

HOLLAND, PAUL V., 21

HOLMES, W. N., 9, 15

Hormonal Regulation of the Distal Retinal Pigment of Crustaceans with Special Reference to the Shrimp *Crangon septemspinosus*, 260

HUESMAN, A. A., 225

HUNTER, NORVELL W., 64

In Vitro Utilization of Glucose by the Chick Embryo at Early Stages, 68

KINNE, OTTO, 288

KNOLL, J., 1

MACMILLEN, RICHARD E., 171

MAGUIRE, BASSETT, JR., 29

MARTIN, W. B., JR., 39, 213

MAYNARD, DONALD M., 241

MISCH, MARGARET SEGUR, 252

MOBBERLY, WILLIAM C., JR., 260

NANNEY, D. L., 146

Nature of Growth Inhibitory Material from Crowded *Rana pipiens* Tadpoles, The, 232

Oxygen Consumption and Bioenergetics of Harvest Mice, The, 152

PATEL, BHUPENDRA, 104

Patterns of Conduction in the Caudal Ganglion of the Crayfish, 161

PEARSON, OLIVER P., 152

PETERS, J. J., 225

Physiological Responses to Temperature in the Lizard *Eumeces obsoletus*, 87

POLNIK, AMELIA, 42

QUAY, W. B., 206

Rates of Development of the Embryos of Several Species of Barnacles, 104

Respiration and Water Loss at the Higher Temperatures in the Desert Iguana, *Dipsosaurus dorsalis*, 136

Role of Darkness in the Photoperiodic Responses of Migratory Birds, 179

SANDEEN, MURIEL I., 260

SHAW, EVELYN, 79

SRIVASTAVA, P. N., 277

INDEX TO VOLUME XXXIII

Accumulation and Elimination of Hexavalent Chromium in Rainbow Trout, 1

AIELLO, EDWARD LAWRENCE, 120

BARTHOLOMEW, GEORGE A., 171

BROWN, L. H., 39, 213

BUTZEL, H. M., JR., 39, 213

Chronological Development of Electrical Activity in the Optic Lobes, Cerebellum, and Cerebrum of the Chick Embryo, 225

CRISP, D. J., 104

Daily Rhythmic Variation of Blood Coagulation Times in Four Species of Rodents, 281

DAWSON, WILLIAM R., 87

Development of Schooling Behavior in Fishes, The, 79

DUNDEE, HAROLD, 58

Effects of Detergents upon Electromigration of *Paramecium aurelia*, 39

Effects of Detergents upon Killer-sensitive Reactions in *Paramecium aurelia*, 213

Effects of Some Intraspecies Processes on Competition between Two Species of Flour Beetles, *Latheticus oryzae* and *Tribolium confusum*, 42

Enzyme Systems in *Stylonychia pustulata*. III. Hydrolysis of Starches and Glycogen, 64

EVERSON, ROBERT A., 281

Experimental and Comparative Studies of Succinic Dehydrogenase Activity in Mammalian Choroid Plexuses, Ependyma, and Pineal Organ, 206

Experimental Proteolysis on *Paramecium aurelia*, 271

Factors Affecting Ciliary Activity on the Gill of the Mussel *Mytilus edulis*, 120

FIELDEN, ANN, 161

FINGERMAN, MILTON, 260

FROMM, P. O., 1

GORBMAN, AUBREY, 58

GROSS, WARREN J., 21

Growth, Food Intake, and Food Conversion in a Euryplastic Fish Exposed to Different Temperatures and Salinities, 288

HARRISON, JOHN R., 68

Heart Rate and Body Size in the Spiny Lobster, 241

Heat Regulation in the Northern Blue Jay, *Cyanocitta cristata bromia* Oberholser, 252

HOLLAND, PAUL V., 21

HOLMES, W. N., 9, 15

Hormonal Regulation of the Distal Retinal Pigment of Crustaceans with Special Reference to the Shrimp *Crangon septemspinosus*, 260

HUESMAN, A. A., 225

HUNTER, NORVELL W., 64

In Vitro Utilization of Glucose by the Chick Embryo at Early Stages, 68

KINNE, OTTO, 288

KNOLL, J., 1

MACMILLEN, RICHARD E., 171

MAGUIRE, BASSETT, JR., 29

MARTIN, W. B., JR., 39, 213

MAYNARD, DONALD M., 241

MISCH, MARGARET SEGUR, 252

MOBBERLY, WILLIAM C., JR., 260

NANNEY, D. L., 146

Nature of Growth Inhibitory Material from Crowded *Rana pipiens* Tadpoles, The, 232

Oxygen Consumption and Bioenergetics of Harvest Mice, The, 152

PATEL, BHUPENDRA, 104

Patterns of Conduction in the Caudal Ganglion of the Crayfish, 161

PEARSON, OLIVER P., 152

PETERS, J. J., 225

Physiological Responses to Temperature in the Lizard *Eumeces obsoletus*, 87

POLNIK, AMELIA, 42

QUAY, W. B., 206

Rates of Development of the Embryos of Several Species of Barnacles, 104

Respiration and Water Loss at the Higher Temperatures in the Desert Iguana, *Dipsosaurus dorsalis*, 136

Role of Darkness in the Photoperiodic Responses of Migratory Birds, 179

SANDEEN, MURIEL I., 260

SHAW, EVELYN, 79

SRIVASTAVA, P. N., 277

STOTT, GAEL H., 9, 15

Studies of the Respiration Rates of Excretory Tissues in the Cutthroat Trout (*Salmo clarki clarki*). I. Variations with Body Weight, 9

Studies of the Respiration Rates of Excretory Tissues in the Cutthroat Trout (*Salmo clarki clarki*). II. Effect of Transfer to Sea Water, 15

Temperature Effects on Nuclear Differentiation in Variety 1 of *Tetrahymena pyriformis*, 146

Temperature Toleration of *Colpoda cucullus*, 29

TEMPLETON, JAMES R., 136

Testicular Response of the House Sparrow, *Passer domesticus*, to Short Photoperiods and Low Intensities, 190

THREADGOLD, L. T., 190

Utilization of Radioiodine by the Thyroid Gland of Goldfish, *Carassius auratus* L., 277

Utilization of Radioiodine by Thyroid of Neotenic Salamander, *Eurycea tynerensis* Moore and Hughes, 58

VONDERAHE, A. B., 225

WANG, H., 271

Water and Ionic Regulation in a Terrestrial Hermit Crab, 21

Water Requirements of Mourning Doves and Their Use of Sea Water and NaCl Solutions, The, 171

WEST, LORNA B., 232

WINCHESTER, DAVID P., 179

WOLFSON, ALBERT, 179